

# Activity Worksheet

Challenging brain

Sub : Mathematics

Grade: IX

Date: .....

Name: .....

ID No.....

## Multiple Choice Questions

Write the correct answer for each of the following:

1. Which of the following is a polynomial?

(a)  $-\sqrt{7}$

(b) 1

(c)  $\frac{\sqrt{p}}{\sqrt{q}}, q \neq 0$

(d)  $\frac{x-1}{x+1}$

Sol.

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2. If  $(x+1)$  is a factor of polynomial  $2x^2 + Rx$ , then the value of R is

(a) 2

(b) 1

(c) -1

(d) -2

Sol.

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3. Zero of the polynomial  $p(x) = 2x + 5$  is

(a)  $-\frac{2}{5}$

(b)  $-\frac{5}{2}$

(c)  $\frac{2}{5}$

(d)  $\frac{5}{2}$

Sol.

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4. If  $x^{51} + 51$  is divided by  $(x+1)$ , the remainder is

(a) 0

(b) 1

(c) 49

(d) 50

Sol.

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